

WHAT IS CLAIMED IS:

1. A lamp comprising:
a sleeve fitting over at least a portion of said lamp;
a photoluminescent pigment being contained in said sleeve;
said photoluminescent pigment storing radiant energy from said
5 lamp during illumination; and
said photoluminescent pigment releasing said stored radiant
energy during a period when said lamp is not illuminated.
2. The lamp according to claim 1, further comprising an end cap for
securing said sleeve onto said lamp.
3. The lamp according to claim 1, wherein said sleeve is made of a
thermoplastic material having transparent or translucent properties.
4. The lamp according to claim 1, wherein said radiant energy is
either visible light or invisible electromagnetic radiation.
5. The lamp according to claim 1, wherein said sleeve fits over the
entirety of said lamp.
6. The lamp according to claim 1, wherein said sleeve includes
perforations that communicate ambient air to a surface of said lamp.
7. The lamp according to claim 1, further comprising a space
between said sleeve and said lamp.

8. The lamp according to claim 1, wherein said sleeve transmits at least 60% of the light that is emitted by said lamp during illumination.

9. The lamp according to claim 1, wherein said photoluminescent pigment stores radiant energy from said lamp during illumination without requiring the presence of an external light source.

10. The lamp according to claim 3, further comprising a reflective substrate co-extruded with said thermoplastic material, thereby enhancing the release of said stored radiant energy during a period when said lamp is not illuminated.

11. The lamp according to claim 1, wherein said lamp is in the form of a fluorescent tube.

12. The lamp according to claim 1, wherein said lamp is in the form of an incandescent bulb.

13. The lamp according to claim 1, wherein said sleeve is formed directly on an exterior surface of said lamp.

14. The lamp according to claim 1, wherein said sleeve is coated onto a surface detached from an exterior surface of said lamp.

15. The lamp according to claim 15, wherein said surface is a lamp shade.

16. A lamp comprising:
a sleeve, made of a translucent material, fitting over at least a portion of said lamp;
a photoluminescent pigment being contained in or on said sleeve;
5 said photoluminescent pigment storing visible light or invisible electromagnetic radiation from said lamp during illumination without requiring the presence of an external light source;
said photoluminescent pigment releasing stored visible light or invisible electromagnetic radiation during a period when said lamp is not
10 illuminated.
17. The lamp according to claim 16, wherein said sleeve includes perforations that communicates ambient air to a surface of said lamp.
18. The lamp according to claim 16, wherein:
said sleeve transmits at least 60% of said visible light or invisible electromagnetic radiation that is emitted by said lamp during illumination; and
said sleeve fits over the entirety of said lamp.
19. The lamp according to claim 16, further comprising:
an end cap for securing said sleeve onto said lamp;
a space between said sleeve and said lamp.
20. The lamp according to claim 16, further comprising a reflective substrate co-extruded with said thermoplastic material, thereby enhancing the release of said stored radiant energy during a period when said lamp is not illuminated.

21. A fluorescent lamp comprising:
a sleeve, made of a translucent thermoplastic material, fitting over
said lamp;
a photoluminescent pigment being contained in or on said sleeve;
5 said photoluminescent pigment storing visible light or invisible
electromagnetic radiation from said fluorescent lamp during illumination without
requiring the presence of an external light source;
said photoluminescent pigment releasing stored visible light or
invisible electromagnetic radiation during a period when said fluorescent lamp
10 is not illuminated;
an end cap for securing said sleeve onto said fluorescent lamp,
said end cap having an aperture therethrough to pass through electrical
connectors of said fluorescent lamp;
a space between said sleeve and said fluorescent lamp; and
15 said sleeve transmitting at least 60% of said visible light or
invisible electromagnetic radiation that is emitted by said lamp during
illumination.
22. The fluorescent lamp according to claim 21, wherein:
said fluorescent lamp is tubular and linear;
said sleeve is tubular, concentrically fitting around said fluorescent
lamp; and
5 said space is an annulus formed even around said fluorescent
lamp.
23. The fluorescent lamp according to claim 21, further comprising a
reflective substrate co-extruded with or applied to said thermoplastic material,
thereby enhancing the release of said stored radiant energy during a period
when said fluorescent lamp is not illuminated.

24. The fluorescent lamp according to claim 21, wherein said sleeve includes perforations that communicates ambient air to a surface of said lamp.

25. A lamp comprising:
storing means for storing radiant energy from said lamp when said lamp is electrically illuminated, said storing means including a sleeve fitting over said lamp; and

5 securing means for positioning said sleeve near said lamp;
wherein light emitted from said lamp when said lamp is electrically illuminated travels unobstructed from said lamp to said storing means.

26. The lamp according to claim 25, wherein said sleeve contains photoluminescent pigments

27. A sleeve capable of fitting over at least a portion of a lamp comprising:

a photoluminescent pigment being contained in or attached to a surface of said sleeve;

5 said photoluminescent pigment storing radiant energy from said lamp during illumination; and

said photoluminescent pigment releasing said stored radiant energy during a period when said lamp is not illuminated.

28. The sleeve according to claim 27, wherein said sleeve is made of a thermoplastic material having transparent or translucent properties.

29. The lamp according to claim 27, further comprising:
perforations that communicate ambient air to a surface of said
lamp; and
a space between said sleeve and said lamp.
30. The lamp according to claim 27, wherein said sleeve transmits at
least 60% of the light that is emitted by said lamp during illumination.
31. The lamp according to claim 27, wherein said photoluminescent
pigment stores radiant energy from said lamp during illumination without
requiring the presence of an external light source.
32. The lamp according to claim 27, further comprising a reflective
substrate between said lamp and said sleeve, thereby enhancing the release of
said stored radiant energy during a period when said lamp is not illuminated.
33. A method for providing emergency lighting, comprising:
combining a thermoplastic translucent material with a
photoluminescent pigment;
fitting said thermoplastic translucent material over at least a
5 portion of a lamp;
storing visible light or invisible electromagnetic radiation in said
thermoplastic translucent material from said lamp during illumination without
requiring the presence of an external light source; and
releasing stored visible light or invisible electromagnetic radiation
10 during a period requiring emergency lighting.

34. The method according to claim 33, further comprising perforating said thermoplastic translucent material to communicate ambient air to a surface of said lamp.

35. The method according to claim 33, further comprising:
allowing at least 60% of said visible light or invisible electromagnetic radiation that is emitted by said lamp during illumination to pass through said thermoplastic translucent material; and
5 fitting said sleeve over the entire surface of said lamp.

36. The method according to claim 33, further comprising:
securing said sleeve onto said lamp with an end cap; and
providing a space between said sleeve and said lamp.

37. The method according to claim 33, further comprising enhancing the release of said stored radiant energy during a period when said lamp is not illuminated by co-extruding a reflective substrate with said thermoplastic material.